

information is to be presented (for example, in standby mode), it activates and regularly refreshes only the aforementioned second partial area of the display surface 13 in order to present the aforementioned miscellaneous user information, whereas the first partial area provided for the presentation of communications 5 information is deactivated. The first partial area remains ~~in particular~~ deactivated until communications information to be presented occurs once more, having been obtained ~~in particular~~ during a multimedia communications connection (e.g., videotelephony, Internet retrieval). In this case, the entire display surface of the display 13 is activated and refreshed, so that, in the present case, both the 10 aforementioned user information and status information and the multimedia communications information are presented in the corresponding partial areas of the display 13. This will be explained in detail below with reference to the presentations shown in Fig. 2.

Fig. 2a shows a typical structure of the display 13. The display 13 is 15 particularly structured ~~in particular~~ in the form of a matrix and ~~comprises~~ includes a plurality number of pixel lines 14, some of which are allocated to the partial area 16 for the presentation of multimedia communications information, while others are allocated to the partial area 15 for the presentation of miscellaneous user and status information. Fig. 2a shows, in particular, the condition of the display 13 when the 20 corresponding mobile communications terminal is in standby mode, i.e., it shows the case in which there is no multimedia communications information to be presented. In this case, only the pixel lines corresponding to the partial area 15 are activated and, ~~in particular~~, cyclically refreshed by the display controller 11 shown in Fig. 1, whereas the pixel lines of the partial area 16 are deactivated. Here, it must 25 be noted that pixels activated in the presentations shown in Fig. 2—Figs. 2—through 4 are shown with hatching and deactivated pixels are shown as white.

If the user of the mobile communications terminal switches from standby mode to normal mode and sets up a communications connection ~~by means of~~ via which the multimedia communications information which is to be presented on the 30 display 13 is obtained, a normal refresh of the entire display 13 is carried out by the

display controller 11, so that the entire display surface, i.e. the partial area 15 and the partial area 16, is available and is activated for the display. Furthermore, the aforementioned status information can be presented in the partial area 15, whereas the multimedia communications information, such as graphics or images, are  
5 displayed in the partial area 16. It is likewise possible for communications information also to be presented in the partial area 15 which is actually provided for the status information, onto which communications information the status information ~~can~~ also can be superimposed.

In the embodiment shown in Fig. 2, the partial area 15 provided for the  
10 presentation of miscellaneous user information and status information is disposed on the upper edge of the display 13. For visual clarity of the display 13, it is advantageous if this partial area 15 is generally provided in the circumstantial area of the display 13, whereby the partial area 15 ~~may~~ also may be provided on the lower edge or on the lateral edge of the display 13. In order to minimize the power  
15 consumption in standby mode, it is advantageous to design the surface of the partial area 15 to be as small as possible compared with the entire display surface or the surface of the partial area 16, so that  
only a minimum display surface 15 of the display 13 needs to be operated if no  
multimedia communications information is available; i.e., if the partial area 16 of  
20 the display 13 is not in use.

Normal color display panels can be used for the display 13; i.e., no special developments are required. The display 13 is divided into the partial areas 15 and 16 and the individual pixels of these partial areas are controlled simply depending on the display controller 11 shown in Fig. 1. This will be explained in detail below,  
25 where the control of the individual partial areas 15 and 16 of the display 13 can essentially be implemented in two different ways.

The task of the display controller 11 shown in Fig. 1 is to process cyclically the individual pixels of the display 13 and supply them with picture information. The functionality of the display controller 11 ~~can~~ then can be adapted in such a way  
30 that, in standby mode in which no multimedia communications information is

presented in the partial area 16, the display controller 11 processes only the pixels of the partial area provided for the presentation of user information or status information, i.e. as in the embodiment shown in Fig. 2, only the uppermost pixel lines of the display 13 belonging to the partial area 15 are being cyclically refreshed 5 and activated in standby mode. For this purpose, the display controller 11 may have an internal line counter which is reset with each refresh cycle and counts the pixel lines of the display 13 which are instantaneously being refreshed by the display controller 11. As soon as the display controller 11 in standby mode, with reference to the internal counter level, determines that a pixel line 14 of the display 13 is to 10 be refreshed or supplied with picture information which belongs to the partial area 16 of the display 13, this line is no longer processed by the display controller 11 and is, therefore, not supplied with picture information; i.e., the pixel lines 14 belonging to the partial area 16 of the display 13 remain dark. This procedure is repeated with each refresh cycle.

15        Alternatively, it is also possible in a corresponding manner to connect the display controller 11 externally to a counter 12, as shown by the broken line in Fig. 1. This means that As such, in addition to the conventional chip of the display controller 11, a control counter 12 is provided, which also counts the pixel lines processed by the display controller 11. Once the display controller 11 in standby 20 mode has processed the pixel lines belonging to the partial area 15, for example the first 20 pixel lines of the display 13, it is disabled by the control counter 12. Similar to the first variant described above, the remainder of the display 13, i.e. the pixel lines 14 belonging to the partial area 16, are not processed in this case by the display controller 11, so that these pixel lines are not supplied with picture 25 information. In this case also, this procedure is repeated with each refresh cycle, whereby the counter level of the counter 12 is reset at the start of each refresh cycle.

30        The control of the display 13 is, of course, not restricted to the embodiment explained with reference to Fig. 2, in which entire pixel lines are allocated to the partial areas 15 and 16. It is also possible for a group of individual pixels of the display 13 to be allocated to the partial areas 15 and 16 without this group forming